AUTODOC CLUB

How to change front brake discs on **Volvo V70 BW** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
VOLVO V60 (155, 157) 2.0 T, VOLVO V60 (155, 157) 2.0 D3 / D4, VOLVO V60 (155, 157) 2.4 D5, VOLVO V60 (155, 157) 2.4 D5 AWD, VOLVO V60 (155, 157) 1.6 T3, VOLVO V60 (155, 157) 1.6 T4, VOLVO V60 (155, 157) 2.0 T5, VOLVO V60 (155, 157) 3.0 T6 AWD, VOLVO V70 III (135) 1.6 T4, VOLVO S80 II (124) 1.6 T4, VOLVO S80 II (124) 2.0 T5, VOLVO S80 II (124) 3.0 T6 AWD, VOLVO S80 II (124) 2.0 D3 / D4, VOLVO XC70 II Estate (136) 3.2 AWD, VOLVO XC70 II Estate (136) 3.0 T6 AWD, (+ 89)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE DISCS – VOLVO V70 BW. TOOLS YOU NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Drive socket # 18
- HEX bit No.H7
- Torx bit T50
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Brake caliper wind back tool
- Hammer
- Crow bar
- Impact screwdriver
- Wheel chock

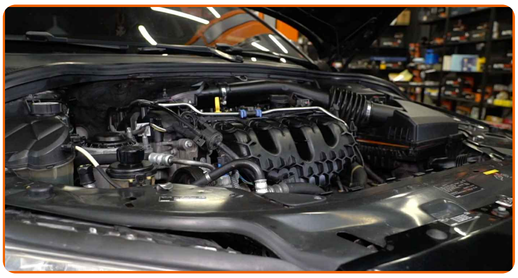
BUY TOOLS

Replacement: brake discs – Volvo V70 BW. AUTODOC experts recommend:

- Replace the brake disks on the car Volvo V70 BW in pairs on an axle, regardless of the condition of the components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – VOLVO V70 BW. TAKE THE FOLLOWING STEPS:

1 Open the bonnet.



2 Unscrew the brake fluid reservoir cap.



3 Secure the wheels with chocks.

4 Loosen the wheel bolts. Use wheel impact socket #19. Use a tap wrench.



5 Raise the car.



AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

6 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Volvo V70 BW

7 Remove the wheel.



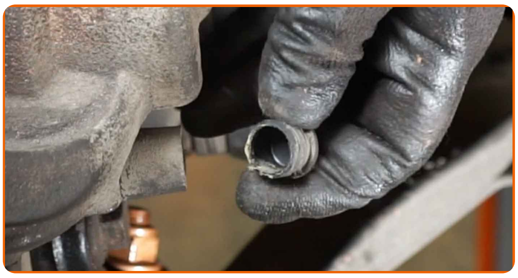
8 Spread the brake pads. Use a crowbar.



9 Detach the brake caliper retaining spring. Use a crowbar.



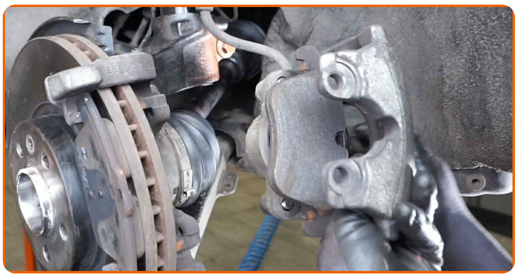
10 Remove the caps from the brake caliper guide pin boots. Use a crowbar.



11 Unscrew the brake caliper fasteners. Use HEX No.H7. Use a ratchet wrench.



12 Remove the brake caliper.



Replacement: brake discs – Volvo V70 BW. Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

13 Remove the brake pads.



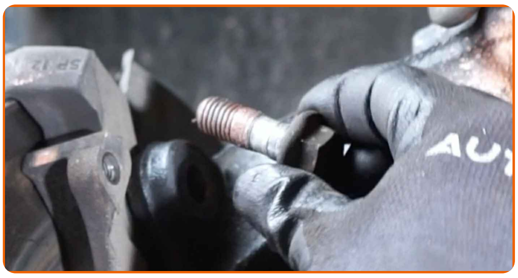
14 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



15 Unscrew the brake caliper bracket fasteners. Use a drive socket #18. Use a ratchet wrench.



16 Remove the fastening bolts.



17 Remove the brake caliper bracket.



18 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.



19 Unscrew the brake disc fasteners. Use Torx T50. Use an impact screwdriver. Use a hammer.



20 Remove the fastening bolt.



21 Remove the brake disc.



22 Clean the wheel hub. Use a wire brush.

23 Treat the contacting surface. Use ceramic grease.

24 Install a new brake disc.



25 Install the fastening bolt.



26 Tighten the brake disc fasteners. Use Torx T50. Use a torque wrench. Tighten it to 15 Nm torque.



27 Clean the brake caliper bracket of dirt and dust. Use a wire brush. Use a brake cleaner.



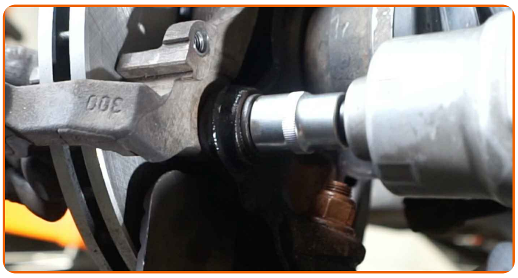
28 Install the brake caliper bracket.



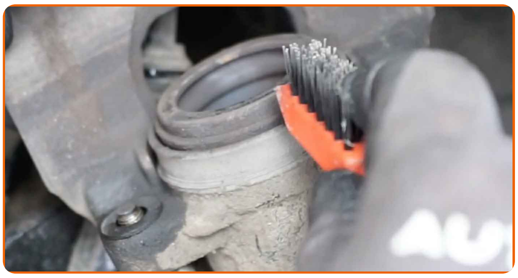
29 Install the fastening bolts.



30 Tighten the brake caliper bracket fasteners. Use a drive socket #18. Use a torque wrench. Tighten it to 150 Nm torque.



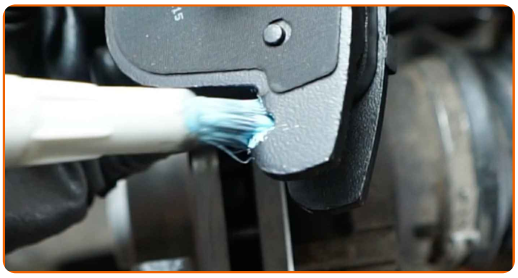
31 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



32 Press in the brake caliper piston. Use brake caliper wind back tool.



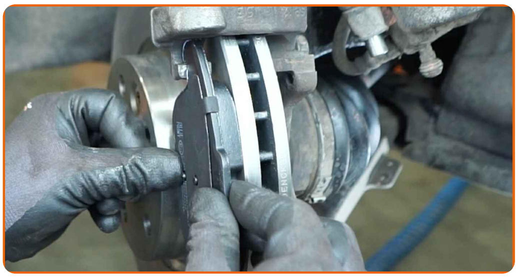
33 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



AUTODOC recommends:

- Make sure the disc surface is clean before installing the pads.

34 Install the brake pads.



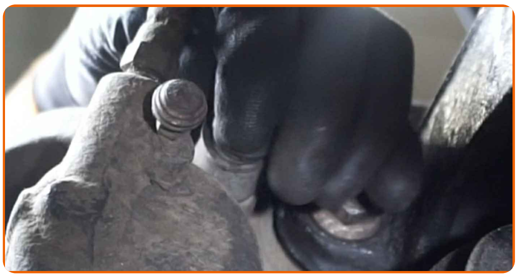
35 Install the brake caliper and fasten it.



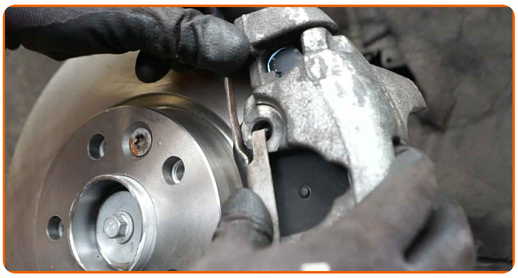
36 Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.



37 Install the caps on the brake caliper guide pin boots.



38 Install the brake pad retaining clip.

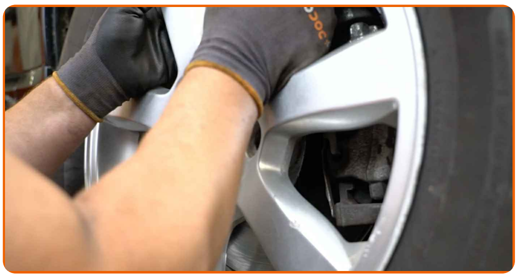


39 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.

40 Clean the brake disk surface. Use a brake cleaner.



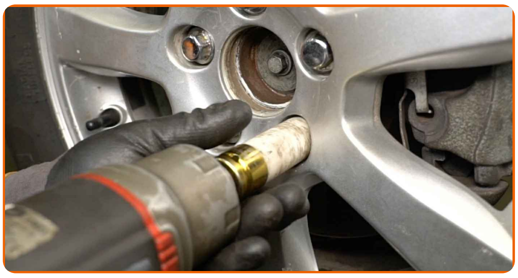
41 Install the wheel.



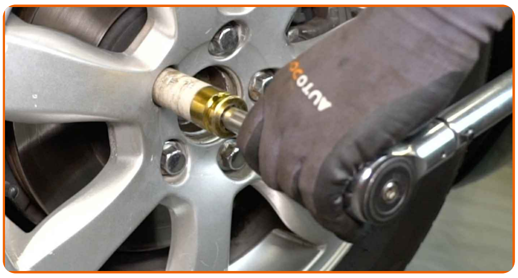
Replacement: brake discs – Volvo V70 BW. AUTODOC experts recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

42 Screw in the wheel bolts. Use wheel impact socket #19. Use a ratchet wrench.



43 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 140 Nm torque.



44 Remove the jacks and chocks.



AUTODOC recommends:

- Volvo V70 BW – Press the brake pedal several times with the engine shut down until you feel the resistance built up.
- Check the brake fluid level in the expansion tank and top up if necessary.

45 Tighten the brake fluid reservoir cap.



46 Close the bonnet.

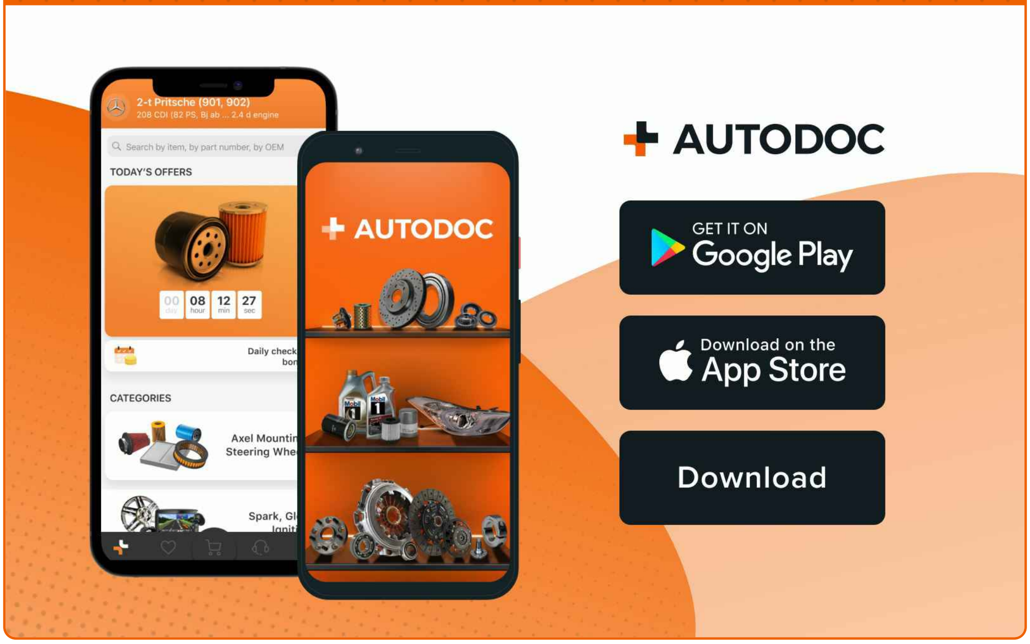


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